

NOTICE OF DRAFTPERSON'S
PATENT DRAWING REVIEWThe drawing filed (insert date) 09/17/97 is:

- A ☐ not objected to by the Draftperson under 37 CFR 1.84 or 1.152.
 B ☒ objected to by the Draftperson under 37 CFR 1.84 or 1.152 as indicated below. The Examiner will require submission of new, corrected drawings where necessary. Corrected drawings must be submitted according to the instructions on the back of this notice.

1. DRAWINGS 37 CFR 1.84(a) Acceptable categories of drawings:
 Black Ink Color
 Color drawing are not acceptable until penton is granted
 Fig(s) _____
 Pencil and non black ink is not permitted Fig(s) _____
2. PHOTOGRAPHS 37 CFR 1.84(b)
 Photographs are not acceptable until penton is granted.
 3 full-tone sets are required Fig(s) _____
 Photographs not properly mounted (must be on board or photographic double-weight paper) Fig(s) _____
 Poor quality (half-tone) Fig(s) _____
3. TYPE OF PAPER 37 CFR 1.84(c)
 Paper not flexible, strong, white and durable
 Fig(s) _____
 Erasures, alterations, overpencilings, interlineations, folds, copy machine marks not acceptable (too thin)
 Mylar, vellum paper is not acceptable (too thin)
 Fig(s) _____
4. SIZE OF PAPER 37 CFR 1.84(f) Acceptable sizes:
 21.0 cm by 29.7 cm (DIN size A4)
 21.6 cm by 27.9 cm (8 1/2 x 11 inches)
 All drawings sheets not the same size
 Sheet(s) _____
5. MARGINS 37 CFR 1.84(g) Acceptable margins:
 Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm
 SIZE: A4 Size
 Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm
 SIZE: 8 1/2 x 11
 Margins not acceptable Fig(s) _____
 Top (T) _____ Left (L) _____
 Right (R) _____ Bottom (B) _____
6. VIEWS CFR 1.84(h)
 REMINDER: Specification may require revision to correspond to drawing changes
 Views connected by projection lines or lead lines
 Fig(s) _____
 Partial views 37 CFR 1.84(h)(2)
 Brackets needed to show figure as one entity
 Fig(s) _____
 Views not labeled separately or properly
 Fig(s) _____
 Enlarged view not labeled separately or properly
 Fig(s) _____
7. SECTIONAL VIEWS 37 CFR 1.84(h)(3)
 Hatching not indicated for sectional portions of an object
 Fig(s) _____
 Sectional designation should be noted with Arabic or Roman numbers Fig(s) _____
8. ARRANGEMENT OF VIEWS 37 CFR 1.84(i)
 Words do not appear on a horizontal, left to right fashion when page is either upright or turned, so that the top becomes the right side, except for graphs Fig(s) _____
 Views not on the same plane on drawing sheet Fig(s) _____
9. SCALE 37 CFR 1.84(j)
 Scale not large enough to show mechanism with crowding when drawing is reduced in size to two-thirds in reproduction
 Fig(s) _____
10. CHARACTER OF LINES, NUMBERS, & LETTERS 37 CFR 1.84(k)
 Lines, numbers & letters not uniformly thick and well defined, clean, durable and black (poor line quality)
 Fig(s) 1-17
11. SHADING 37 CFR 1.84(m)
 Solid black areas pale Fig(s) _____
 Solid black shading not permitted Fig(s) _____
 Shade lines, pale, rough and blurred Fig(s) _____
12. NUMBERS, LETTERS, & REFERENCE CHARACTERS 37 CFR 1.48(p)
 Numbers and reference characters not plain and legible
 Fig(s) _____
 Figure legends are poor Fig(s) _____
 Numbers and reference characters not oriented in the same direction as the view 37 CFR 1.84(p)(3) Fig(s) _____
 English alphabet not used 37 CFR 1.84(p)(3) Fig(s) _____
 Numbers, letters and reference characters must be at least 32 cm (1/8 inch) in height 37 CFR 1.84(p)(3) Fig(s) 1-17
13. LEAD LINES 37 CFR 1.84(q)
 Lead lines cross each other Fig(s) _____
 Lead lines missing Fig(s) _____
14. NUMBERING OF SHEETS OF DRAWINGS 37 CFR 1.48(r)
 Sheets not numbered consecutively, and in Arabic numerals beginning with number 1 Fig(s) _____
15. NUMBERING OF VIEWS 37 CFR 1.84(u)
 Views not numbered consecutively, and in Arabic numerals beginning with number 1 Fig(s) _____
16. CORRECTIONS 37 CFR 1.84(v)
 Corrections not made from PTO 948 dated _____
 Surface shading shown not appropriate Fig(s) _____
 Solid black shading not used for color contrast Fig(s) _____

COMMENTS

REVIEWER

ADE

DATE

4/23/98

TELEPHONE NO.

(783) 305-8404

ATTACHMENT D PAPER NO.

PTO COPY